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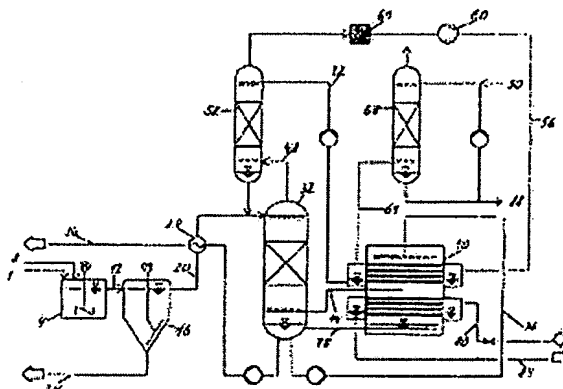
Ammonium cpd. removal from waste water - esp. biological sludge filtrate waste water, by steam stripping

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Abstract of DE4239637

In removal of ammonium-contg. cpds. from waste waters (esp. filtrate waste waters from biological sludges) by preheating and stripping with steam, (i) the waste water is pretreated by solids removal and raising to pH 11, prior to heating in a heat exchanger (28); (ii) the pretreated and heated waste water is steam stripped in a packed column (32) using steam produced in an evaporator (40) by partial evapn. of a recirculated substream of the column discharge; (iii) the major part of the heat required for stripping steam prodn. is covered by condensation of the ammonia-loaded used stripping steam which has been compressed to the requisite condensation pressure by a compressor (60); and (iv) condensation of the ammonia-loaded used stripping steam is carried out in the evaporator (40). Also claimed is appts. for carrying out the process. **ADVANTAGE** - Energy-efficient removal of ammonium cpds. from waste waters.



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